

**Information Technology Career Cluster  
Resource List**

Resource	Author / Publisher	Location	Notes
<b>American National Standards Institute (ANSI)</b>	American National Standards Institute	<a href="http://ansi.org/">http://ansi.org/</a>	Oversees the creation, promulgation, and use of thousands of norms and guidelines that directly impact businesses in nearly every sector.
<b>Ask a Tech Teacher</b>	Jacqui Murray	<a href="http://askatechteacher.com/great-kids-websites/programming/">http://askatechteacher.com/great-kids-websites/programming/</a>	This website is maintained by a K-8 technology teacher and shares various resources and best practices to help fellow educators.
<b>Association for the Advancement of Computer Education</b>	Association for the Advancement of Computer Education	<a href="http://www.aace.org/">http://www.aace.org/</a>	An organization with the mission of advancing Information Technology in Education and E-Learning research, development, learning, and its practical application. The website contains publications, digital library, and other resources.
<b>Beginner's Guide to Responsive Web Design</b>	Nick Pettit	<a href="http://blog.teamtreehouse.com/beginners-guide-to-responsive-web-design?utm_source=CMblog&amp;utm_medium=link&amp;utm_campaign=5-useful-tutorials-for-web-designers">http://blog.teamtreehouse.com/beginners-guide-to-responsive-web-design?utm_source=CMblog&amp;utm_medium=link&amp;utm_campaign=5-useful-tutorials-for-web-designers</a>	Provides a beginner's tutorial on responsive design.
<b>Certified Data Cabling Installer (DCI) Competency Requirements</b>	Electronics Technicians Association (ETA)	<a href="http://www.eta-i.org/Comps/DCIC%20Comps.pdf">http://www.eta-i.org/Comps/DCIC%20Comps.pdf</a>	Industry requirements for certified data cabling installers.
<b>Code.org</b>	Code.org	<a href="http://www.code.org/">http://www.code.org/</a>	A non-profit foundation dedicated to growing computer science education. The web site provides resources such as free tutorials, apps, free curriculum, and information for starting a Code Academy coding club.

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<b>Computer Science Education Week</b>	Computing in the Core	<a href="http://csedweek.org/">http://csedweek.org/</a>	An annual program dedicated to inspiring K-12 students to take interest in computer science. This web site provides tutorials for students and quick tips for educators.
<b>Computer Science Teachers Association</b>	Association for Computer Machinery	<a href="http://csta.acm.org">http://csta.acm.org</a>	Provides curriculum, professional development, computer science education research, and teaching resources.
<b>Computer Science Unplugged</b>	Computer Science Unplugged	<a href="http://csunplugged.com/">http://csunplugged.com/</a>	A collection of free learning activities that teach computer science through games and puzzles. Also provides multiple lists of resources (books, videos, curriculum) for teachers.
<b>Contemporary Issues in Technology and Teacher Education</b>	AMTE, ASTE, NCSS-CUFA, CEE, and SITE	<a href="http://www.citejournal.org/archives.cfm">http://www.citejournal.org/archives.cfm</a>	An online peer-reviewed journal established and jointly sponsored by five professional associations related to education in science, technology, mathematics, social studies, and English.
<b>CTE Online</b>	Center for the Advancement of Digital Resources in Education	<a href="http://www.cteonline.org/portals/default/default">http://www.cteonline.org/portals/default/default</a>	CTE Online is a single destination for model curriculum, resources, tools and community. Search curriculum by keywords.
<b>CyberPatriot</b>	Airforce Association	<a href="http://www.uscyberpatriot.org/">http://www.uscyberpatriot.org/</a>	CyberPatriot was conceived by the Air Force Association (AFA) to inspire high school students toward careers in cybersecurity or other science, technology, engineering, and mathematics (STEM) disciplines critical to our nation's future. Participation in this initiative could supplement research on security content covered in all information technology cluster programs of study.

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<b>Electronics Industry Alliance (EIA)</b>	Electronic Components Industry Association (ECIA)	<a href="http://www.eciaonline.org/default.aspx">http://www.eciaonline.org/default.aspx</a>	Provides industry standards and guidelines, market reports, statistical information, publications, and a digital library of technical papers.
<b>Exploring Computer Science</b>	Exploring Computer Science	<a href="http://www.exploringcs.org/">http://www.exploringcs.org/</a>	Provides computer science curriculum, teaching resources, student resources, research, and publications.
<b>Free Programming Resources</b>		<a href="http://www.freeprogramminresources.com/">http://www.freeprogramminresources.com/</a>	Provides free information technology sources such as articles, books, and compilers. In addition, this site contains tutorials on topics such as web development, mobile apps, programming, and databases.
<b>Free Studio</b>	Free Studio	<a href="http://www.dvdvideosoft.com/">http://www.dvdvideosoft.com/</a>	This software can be used to download YouTube videos from the internet. This is useful for teachers at schools that block YouTube viewing.
<b>Inspect Element</b>		<a href="http://inspectelement.com/">http://inspectelement.com/</a>	A web design and development hub that includes articles, tutorials, themes, and free resources.
<b>Khan Academy – Computer Programming</b>	Khan Academy	<a href="http://www.khanacademy.org/cs">http://www.khanacademy.org/cs</a>	Teaches fundamentals of computer programming. A platform for students to learn programming, write programs, and share programs with others.
<b>Links to Information</b>	San Jose State University - College of Engineering	<a href="http://www.engr.sjsu.edu/bjfurman/courses/ME106/othermechatronicslinks.htm">http://www.engr.sjsu.edu/bjfurman/courses/ME106/othermechatronicslinks.htm</a>	This website provides resources that will be helpful for course standards related to programming and software development. Specifically look at the <i>Software Resources</i> section.
<b>National Electrical Code (NEC)</b>	National Fire Protection Association	<a href="http://www.nfpa.org/codes-and-standards/document-information-pages?mode=code&amp;code=70">http://www.nfpa.org/codes-and-standards/document-information-pages?mode=code&amp;code=70</a>	This resource provides standards, articles, and reports. NEC is the benchmark for safe electrical design, installation, and inspection to protect people and property from electrical hazards.

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<b>National Science Digital Library</b>	UCAR Community Programs and National Science Foundation	<a href="http://nsdl.org/">http://nsdl.org/</a>	“Resource Categories” and “Collections” contain resources (e.g., articles, videos, lesson plans) that can be used in the classroom. View the distribution of “Resource Categories” in graphical form and browse by educational level, resource type, subject, and audience. Browse “Collections” by an alphabetical list of all participating collections, explore collections devoted to a subject area or interest, or refine the list by subject matter and main audience (educators or researchers).
<b>Open Web Design</b>	Aaron Nikula, Founder	<a href="http://www.openwebdesign.org">www.openwebdesign.org</a>	Free web design templates.
<b>SitePoint</b>	Mark Harbottle and Matt Mickiewicz, Co-Founders	<a href="http://www.sitepoint.com">www.sitepoint.com</a>	A source for articles, instructional videos, forums, blogs, and reference information.
<b>Six Revisions</b>	Jacob Gube, Chief Editor	<a href="http://sixrevisions.com/">http://sixrevisions.com/</a>	Useful information for web developers and designers. This site has articles, tutorials, and free resources such as templates and icon sets.
<b>Society of Information Technology and Teacher Education (SITE)</b>	Society of Information Technology and Teacher Education (SITE)	<a href="http://site.aace.org/">http://site.aace.org/</a>	An organization that promotes the development and dissemination of knowledge and teaching at all levels with information technology. This site provides access to publications, special interest groups, videos, and a digital library.
<b>Software Engineering Code of Ethics and Professional Practice</b>	Association for Computer Machinery	<a href="http://www.acm.org/about/se-code/">http://www.acm.org/about/se-code/</a>	Recommended by the Association for Computer Machinery / Institute for Electrical and Electronics Engineers- Computer Science Joint Task Force on Software Engineering Ethics and Professional Practices and jointly approved by the ACM and the IEEE-CS as the standard for teaching and practicing software engineering.

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<b>Telecommunications Industry Association Standards (TIA)</b>	Telecommunications Industry Association	<a href="http://www.tiaonline.org/">http://www.tiaonline.org/</a>	Leading trade association representing the global information and communication technology industry. Provides resources such as standards development, policy initiatives, and market intelligence.
<b>Treehouse Features Library</b>	Treehouse Island, Inc.	<a href="http://teamtreehouse.com/features/library?&amp;cid=2482">http://teamtreehouse.com/features/library?&amp;cid=2482</a>	A site created by a group of teachers to produce and share video courses on topics like web design, web development, iOS, and business skills.
<b>Tutorials for web development and web design techniques</b>	Codrops	<a href="http://tympanus.net/codrops/category/tutorials/">http://tympanus.net/codrops/category/tutorials/</a>	In-depth tutorials involving common web development and web design techniques.
<b>Underwriters Laboratories (UL) Requirements</b>	ULC Standards	<a href="http://www.ul.com/global/en/pages/solutions/standards/">http://www.ul.com/global/en/pages/solutions/standards/</a>	Provides UL standards catalog, as well as an explanation of the standards, the process to develop the standards, and a glossary of terms.
<b>Web Development and Design Tutorials/Tips/Reviews</b>	Webreference.com	<a href="http://www.webreference.com">www.webreference.com</a>	Online library of news, advice, and how-to articles related to web design. This resource would be a helpful supplement to the <i>Web Design Foundations</i> course (level 2).
<b>W3C Website</b>	World Wide Web Consortium (W3C)	<a href="http://www.w3.org">www.w3.org</a>	Organization that manages standardization of the Web. This resource would be useful as students learn to hone coding skills in the <i>Web Site Development</i> course (level 3).
<b>w3schools</b>	Refsnes Data	<a href="http://www.w3schools.com">www.w3schools.com</a>	Provides access to free tutorials on HTML, CSS, XHTML, XML, browser scripting, and other subjects.